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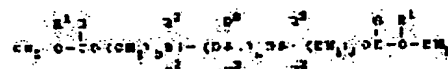
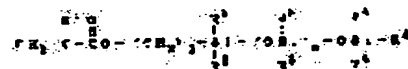
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(54) WATER-DISPERSIBLE SILICONE COMPOSITION AND SURFACE MODIFIER PREPARED THEREFROM FOR POLYMER MATERIAL

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a water-dispersible silicone compsn. which exhibits long-lasting mold release properties, abrasion resistance, nonstickiness, water repellency, etc., by incorporating an A-B type block copolymer comprising segment A consisting of a polysiloxane-group-contg. (co)polymer and segment B consisting of a hydrophilic-group-contg. (co)polymer, an org. solvent, and water into the same.

SOLUTION: Segment A is a homopolymer of a polysiloxane-group-contg. monomer or a copolymer of a polysiloxane-group-contg. monomer and a water-soluble vinyl monomer. The polysiloxane-group-contg. monomer is represented by formula I or II (wherein R is H or methyl, or R is methyl, ethyl, phenyl or the like, or R is H, phenyl, or the like, or R is methyl, ethyl, hydroxyl, or phenyl; and n is 1-2,000). Segment B is e.g. a homopolymer of a water-soluble vinyl monomer. Pref., the wt. ratio of segment A to segment B in the A-B type block copolymer is (25/75)-(90/10).



LEGAL STATUS

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